

Product datasheet for **SC127280**

USP4 (NM_003363) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP4 (NM_003363) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP4
Synonyms:	UNP; Unph
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_003363, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAAGGTGGAGGCTGCCGTGAGCGACCGGATGCGGAGACTCAGAAGTCCGAGCTTGGACCCTTAA
TGAGGACCACACTCCAACGCGGGGCGCAGTGGTATCTTATTGACAGCCGGTGGTTCAAGCAGTGGAAAGAA
GTATGTGGGCTTTGACAGCTGGGACATGTACAATGTGGGTGAACATAACCTATTTCTGGCCCAATAGAC
AACTCTGGGCTATTTTCAGATCCTGAGAGTCAGACCTTGAAAGAACAACCTAATTGATGAATTGGACTATG
TATTGGTCCCTACCGAGGCGTGAATAAACTACTAACTGGTACGGCTGTGTAGAAGGCCAGCAACCCAT
CGTCAGAAAAGTTGTGGAGCATGGCCTGTTTGTCAAGCACTGCAAAGTCGAGGTGATTTTGTGGAAGTGA
AAGCTCTGTGAGAACAGTGACCCACCAATGTGCTGAGTTGCCATTTAGCAAGGCAGACACCATTGCAA
CCATCGAGAAAGAGATGCGGAAGCTATTCAACATCCCTGCGGAGCGTGAAACACGGCTCTGGAACAAATA
CATGAGCAACACCTACGAGCAGTTGAGCAAGCTAGACAACACTGTCCAGGATGCTGGGCTATACCAGGGT
CAGGTGCTAGTAATTGAGCCTCAAAATGAAGATGGCACATGGCCAGGCAGACCTTGCAATCAAAATCAA
GCACTGCGCCTAGCAGAAATTTACTACCTCTCCAAAATCATCAGCAAGTCCCTATTCCTCAGTGTCTGC
CTCTCTCATTGCAAAATGGTGATAGCACTAGCACCTGTGGGATGCACAGTTCGGGTGTCAGCAGGGGTGGA
TCTGGCTTTTCTGCTTCGTATAATTGTCAAGGAGCCACCATCCTCTCATATACAACCTGGGCTCTGTGGAC
TTGAAACCTGGGAAACACCTGCTTCATGAACTCCGCTTTGCAAGTGTGGAGCAACACTGCACCCTGAC
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TGTTCAAACCTCAAGTAGGACGTTTTGCTCCTCAATTTCTGGTACCAGCAACAAGATTCTCAGGAGCT
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TTCTGTCCCAAGCACAAGTTAACCCCTGAGTCTTTGTACCAGGCTGTTTGTGATCGTATCAGCCGCTAT
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ACAGCTGTGAAGGAGAAGATGAGGAAGAAATGGAGCATCAGGAAGAAGGCAAAGAGCAGCTTTCAGAAAC
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GCAGTTCTGGTTCCTCTGATGGAGGGACACGACCAAGCAGCTCTCAGCAGGGCTTTGGGGATGATGAGGC
TTGCAGCATGGACACCAACTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003363 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGATGGCGGAAGGTGGA
 GGCTGCCGTGAGCGACCGGATGCGGAGACTCAGAAGTCCGAGCTTGGACCCTTAATGAGG
 ACCACACTCCAACGCGGGGCGCAGTGGTATCTTATTGACAGCCGGTGGTCAAGCAGTGG
 AAGAAGTATGTGGGCTTTGACAGCTGGGACATGTACAATGTGGGTGAACATAACCTATTT
 CCTGGCCCAATAGACAACCTCTGGGCTATTTTCAGATCCTGAGAGTCAGACCTTGAAGAA
 CACTTAATTGATGAATTGGACTATGTATTGGTCCCTACCGAGGCGTGAATAAACTACTA
 AACTGGTACGGCTGTGTAGAAGGCCAGCAACCCATCGTCAGAAAAGTTGTGGAGCATGGC
 CTGTTTGTCAAGCACTGCAAAGTCGAGGTGTATTTGCTGGAACCTGAAGCTCTGTGAGAAC
 AGTGACCCACCAATGTGCTGAGTTGCCATTTAGCAAGGCAGACACCATTGCAACCATC
 GAGAAAGAGATGCGGAAGCTATTCAACATCCCTGCGGAGCGTGAACACGGCTCTGGAAC
 AAATACATGAGCAACACCTACGAGCAGTTGAGCAAAGTACAACTGTCCAGNATGCT
 GGGCTATACCAGGGTCAGGTGCTAGTAATTGAGCCTCANAATGAAGATGGCACATGGGCC
 CAGCAGACCTTGAGTCAAAATCAAGCACTGCGCCTAGCAGAAATNTACTACCTCTCCA
 AAATCATCAGCAAGTCCCTATTTCTCAGTGTCTGCCTCTCTCATTGCANATGGTGATAGC
 ACTAGCACCTGTGGGATGCACAGTTNCCGGTGTAGCAGGGGTGGGATCTGGCTNTTCTG
 CTTTCGNATAATGGCAGGAGCACCATNCTCTATACAACCTGGGCTCTGTGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003363 unedited
 GGGAGCAGGCCACCCGAAAACCTNNNNANCNGNTTTATTGNACCGGGCCGCATTCTANAT
 CGAGTTTTTTTTTTTTTTTTTTTTTTTCTTCTGCTCATAAAGAAGGTATTTCTTGTCT
 GGTTTTTAGACAGAACTAGCAGTCTGCAGAGTGTCAAAGATGTTCTCCTGGGGGATTA
 CACTGGCGCTACAGGGTGGCAGGATCGTGGAGTACGATTAGTTGGTGTCCATGCTGCAA
 GCCTCATCATCCCAAAGCCCTGCTGAGAGCTGCTTGGTGTGTCCTCCATCAGAGGAA
 CCAGAAGTCTAAGTGAAGGTGTCTTATAAAATTCATCATCTCGACGTTGGTAAAATAGC
 ACATAAGCTGCTTGTAGTAGTGGCCAACCCCATGGCTCCATAATGATTGGACACGGCAAT
 GAGGTCGTACACATAAGGCCCTGCTGACAGGTTACAGACAAAACCTGGACATGTTGAGCCC
 TCTGATTGGGAATTCTACGACTGTGTCGAGCTTATCCCTCCAGTATCTGTGTAGGAGAA
 ACGTTTGGAGTGGACCACAGGATCTTGGGCAAGGACCATAGGTCAAACCTTTTTTGTGGC
 CTGTTGATGCTTCTTACAGTTGGGACAGTACCAGGGGTATGCTCCCAAGGGTCTCCAT
 GGTGGTGAAGAGCTCGATGCAGTCTCTCAGGCCACTGTGGTTCTTCTTCTTCTGAA
 GCTGGCACATGCTCACATGCTTCTCGTAGGCCTCAGATTCTGCTCATCATAGTAAAAGT
 CTCCGAGTTTCACTGGTCCCAATCCATGGCCAGTGTAATACGAAAAGNTGAGTTTAA
 GTAGTTTTCCCTCAGCTGCAAGTGGAATTAATGTCAGCCTGGTTCCATTAGAAGTTCA
 CCAAGACTGGAAGGTAAGAAAGCCTTTTTGGGGCAGGCTTGGCCTTCTGATCTTCTTT
 TGGGNGGCNCTCTGGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_003363

Insert Size:

2920 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_003363.2](#), [NP_003354.2](#)

RefSeq Size: 3696 bp

RefSeq ORF: 2892 bp

Locus ID: 7375

UniProt ID: [Q13107](#)

Cytogenetics: 3p21.31

Domains: UCH, DUSP

Protein Families: Druggable Genome, Protease

Gene Summary: The protein encoded by this gene is a protease that deubiquitinates target proteins such as ADORA2A and TRIM21. The encoded protein shuttles between the nucleus and cytoplasm and is involved in maintaining operational fidelity in the endoplasmic reticulum. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).